

Title (en)

ELECTROPHOTOGRAPHIC PHOTORECEPTOR, PROCESS CARTRIDGE, AND IMAGE FORMING APPARATUS

Title (de)

ELEKTROPHOTOGRAPHISCHER PHOTOREZEPTOR, PROZESSKARTUSCHE UND BILDERZEUGUNGSVORRICHTUNG

Title (fr)

PHOTORÉCEPTEUR ÉLECTROPHOTOGRAPHIQUE, CARTOUCHE DE TRAITEMENT ET APPAREIL DE FORMATION D'IMAGE

Publication

EP 4310593 A1 20240124 (EN)

Application

EP 23163961 A 20230324

Priority

JP 2022115850 A 20220720

Abstract (en)

An electrophotographic photoreceptor includes a conductive substrate, an undercoat layer provided on the conductive substrate and containing a binder resin and an n-type organic pigment, and a photosensitive layer provided on the undercoat layer, in which an amount of an Fe element in the undercoat layer that is detected by high-frequency inductively coupled plasma emission spectrometric analysis is 80 ppm or less.

IPC 8 full level

G03G 5/05 (2006.01); **G03G 5/06** (2006.01); **G03G 5/14** (2006.01)

CPC (source: CN EP US)

G03G 5/02 (2013.01 - CN); **G03G 5/04** (2013.01 - CN); **G03G 5/05** (2013.01 - CN); **G03G 5/056** (2013.01 - CN); **G03G 5/0575** (2013.01 - EP); **G03G 5/0592** (2013.01 - EP); **G03G 5/0607** (2013.01 - EP); **G03G 5/0609** (2013.01 - EP); **G03G 5/0648** (2013.01 - US); **G03G 5/0651** (2013.01 - EP US); **G03G 5/0657** (2013.01 - EP); **G03G 5/0659** (2013.01 - EP); **G03G 5/0696** (2013.01 - CN); **G03G 5/10** (2013.01 - CN); **G03G 5/142** (2013.01 - CN EP); **G03G 15/00** (2013.01 - CN); **G03G 21/18** (2013.01 - CN); **G03G 21/1814** (2013.01 - CN US); **G03G 21/1821** (2013.01 - US); **G03G 9/087** (2013.01 - US)

Citation (applicant)

- JP 2003091086 A 20030328 - FUJI XEROX CO LTD
- JP 2003330209 A 20031119 - CANON KK
- JP 2003345044 A 20031203 - CANON KK
- JP 5147274 B2 20130220
- JP 2011095665 A 20110512 - CANON KK
- JP 2020046640 A 20200326 - FUJI XEROX CO LTD

Citation (search report)

- [X] JP 2020046640 A 20200326 - FUJI XEROX CO LTD
- [X] US 2019310561 A1 20191010 - NISHI MASASHI [JP], et al
- [X] US 2020096884 A1 20200326 - IWASAKI MASAHIRO [JP], et al
- [X] US 2015185632 A1 20150702 - SEKIDO KUNIIHIKO [JP], et al
- [X] US 2018341190 A1 20181129 - NISHI MASASHI [JP], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

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